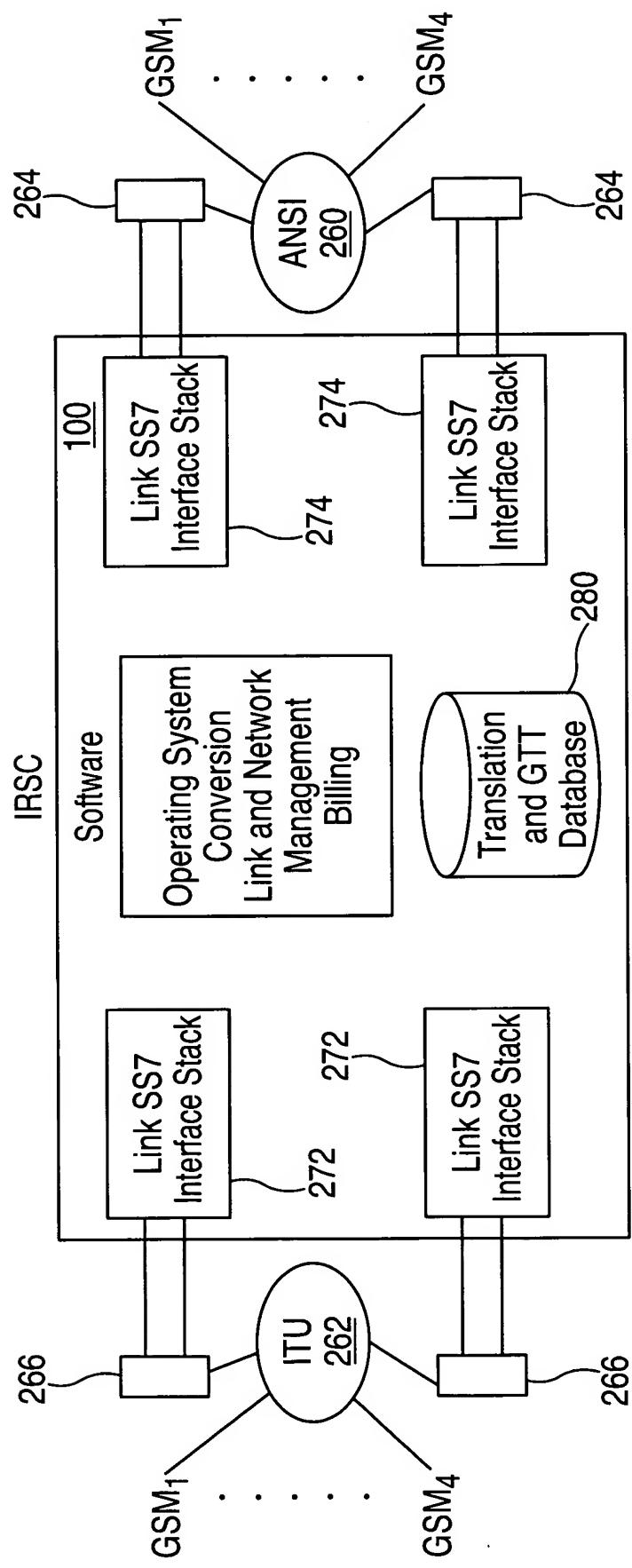
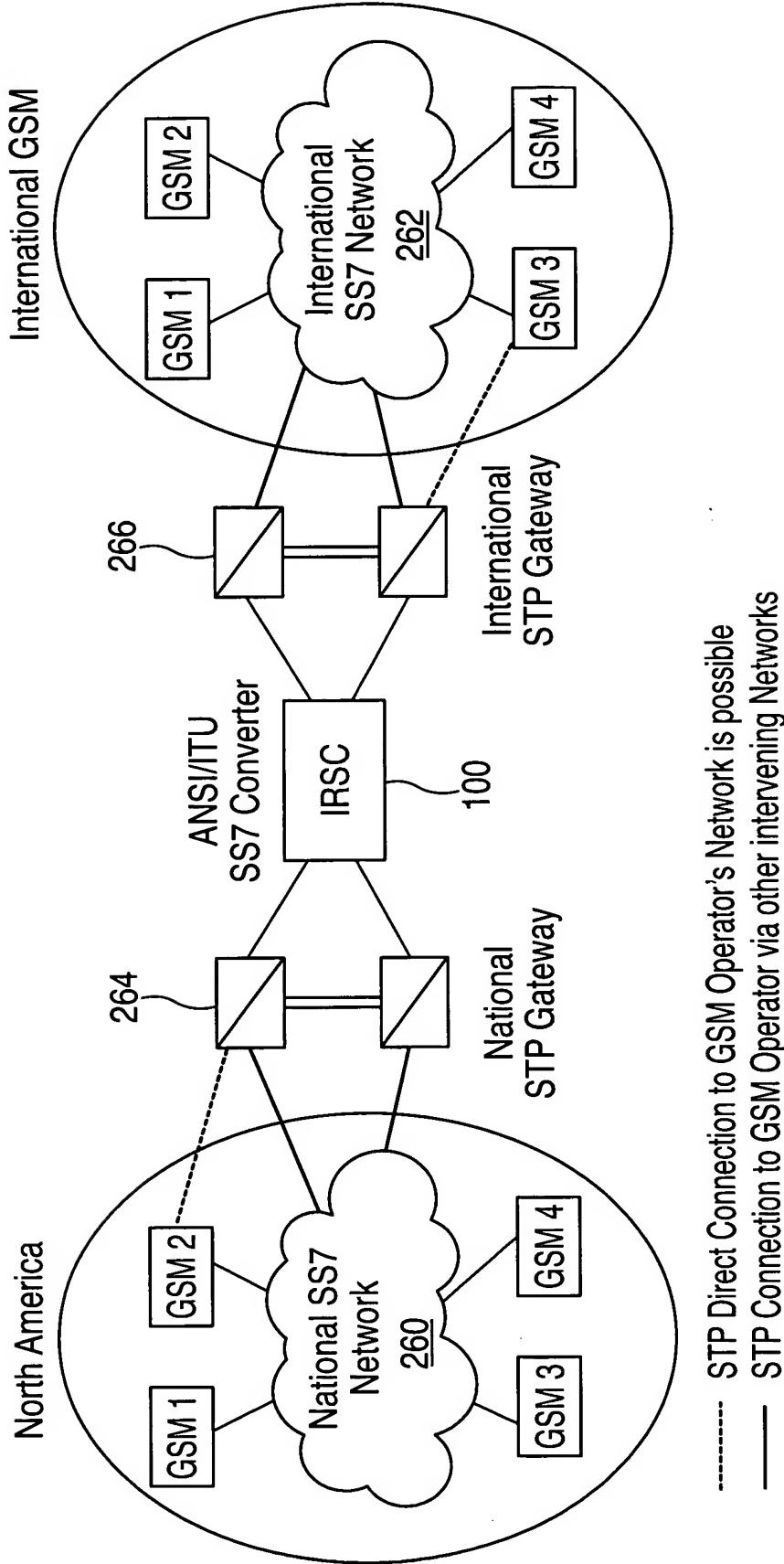


GSM Operator Network Typical Nodes
FIG. 1

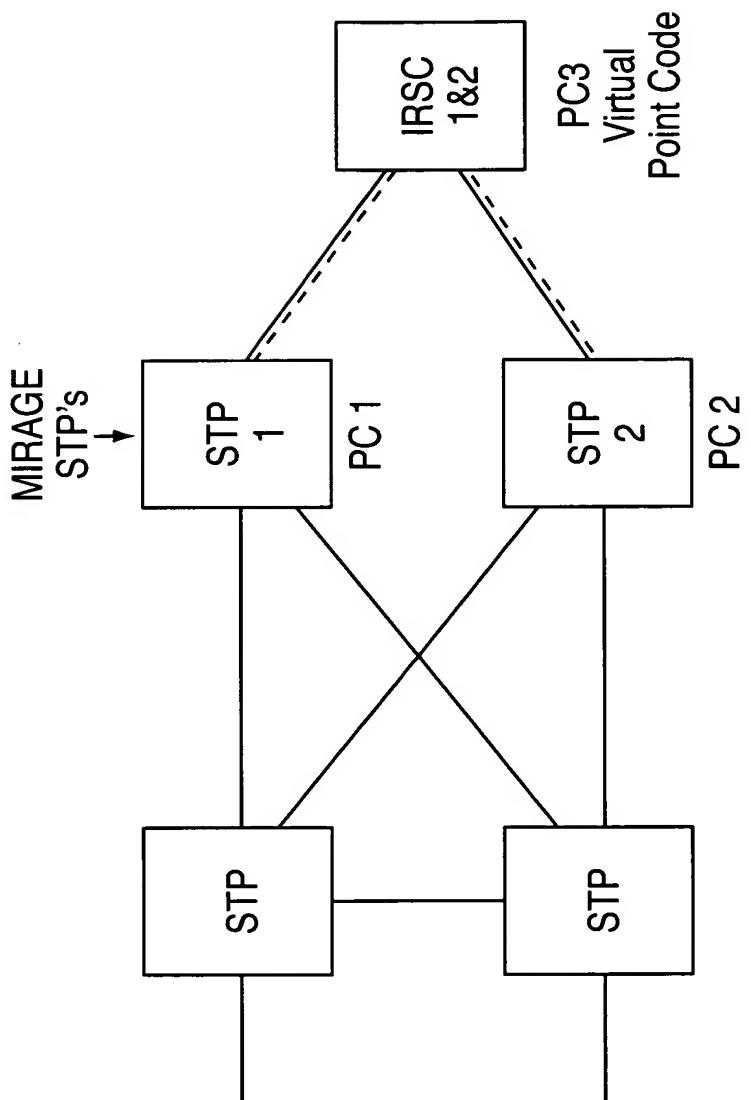


IRSC Components: Hardware, Firmware, and Software

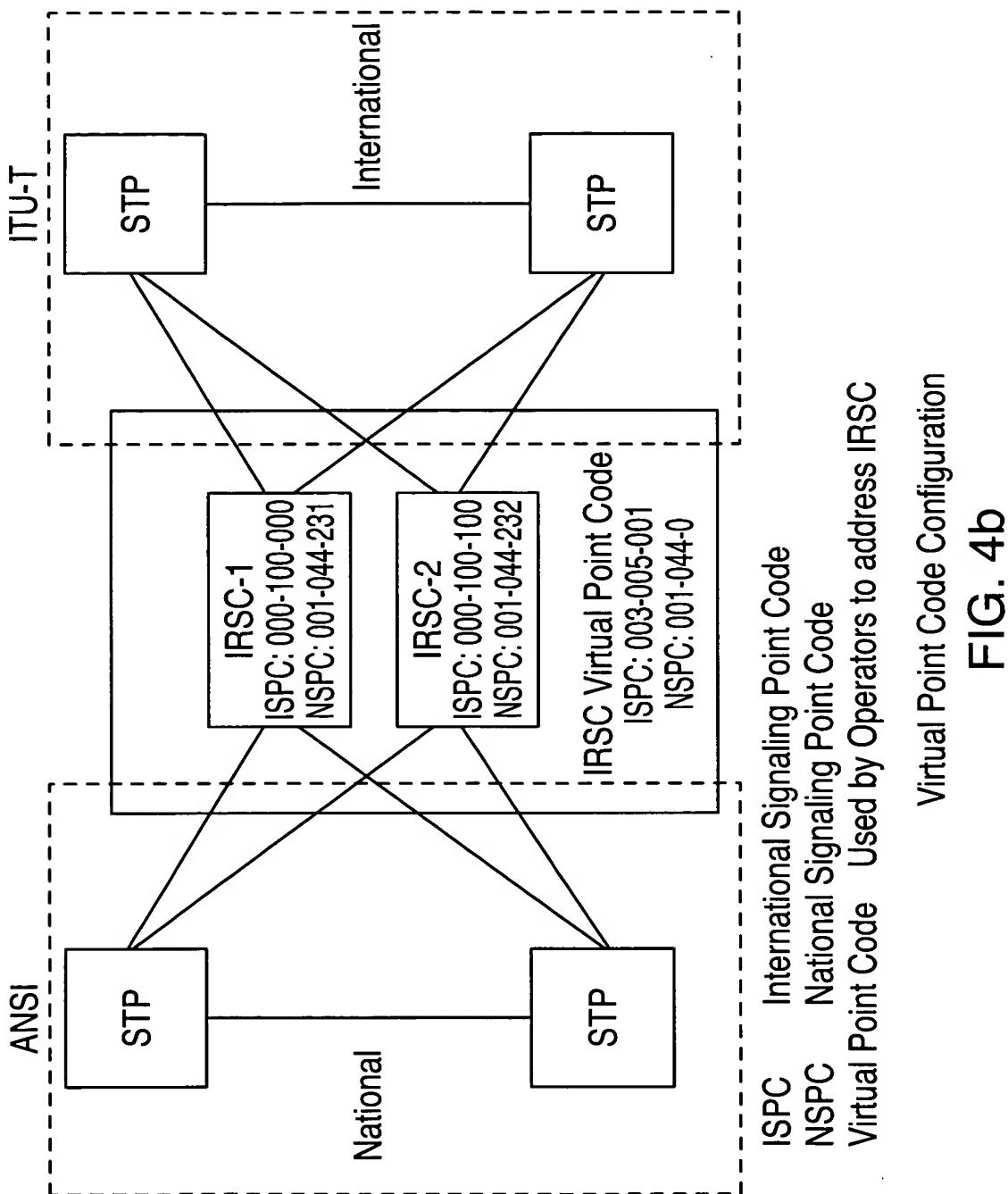
FIG. 2

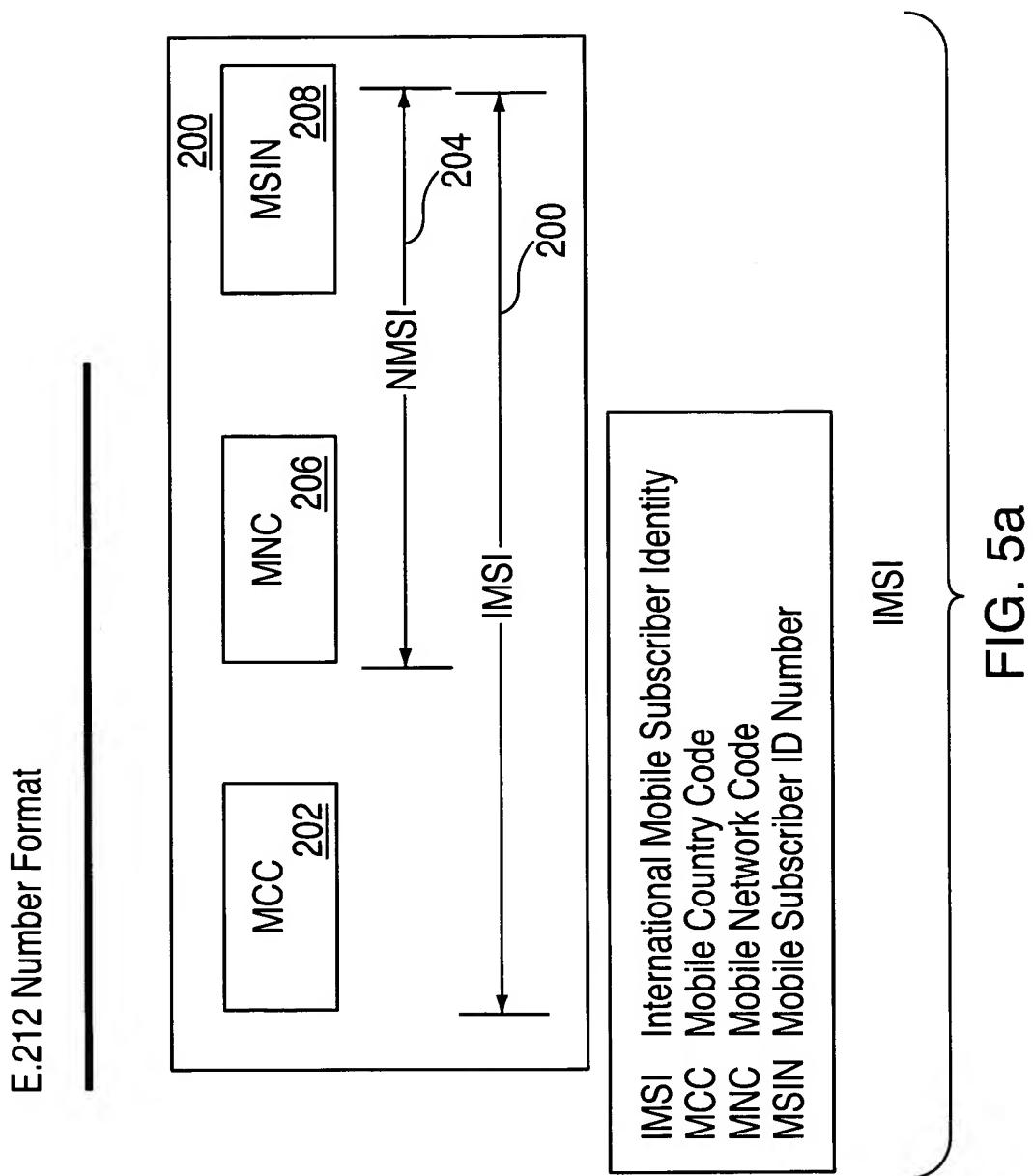


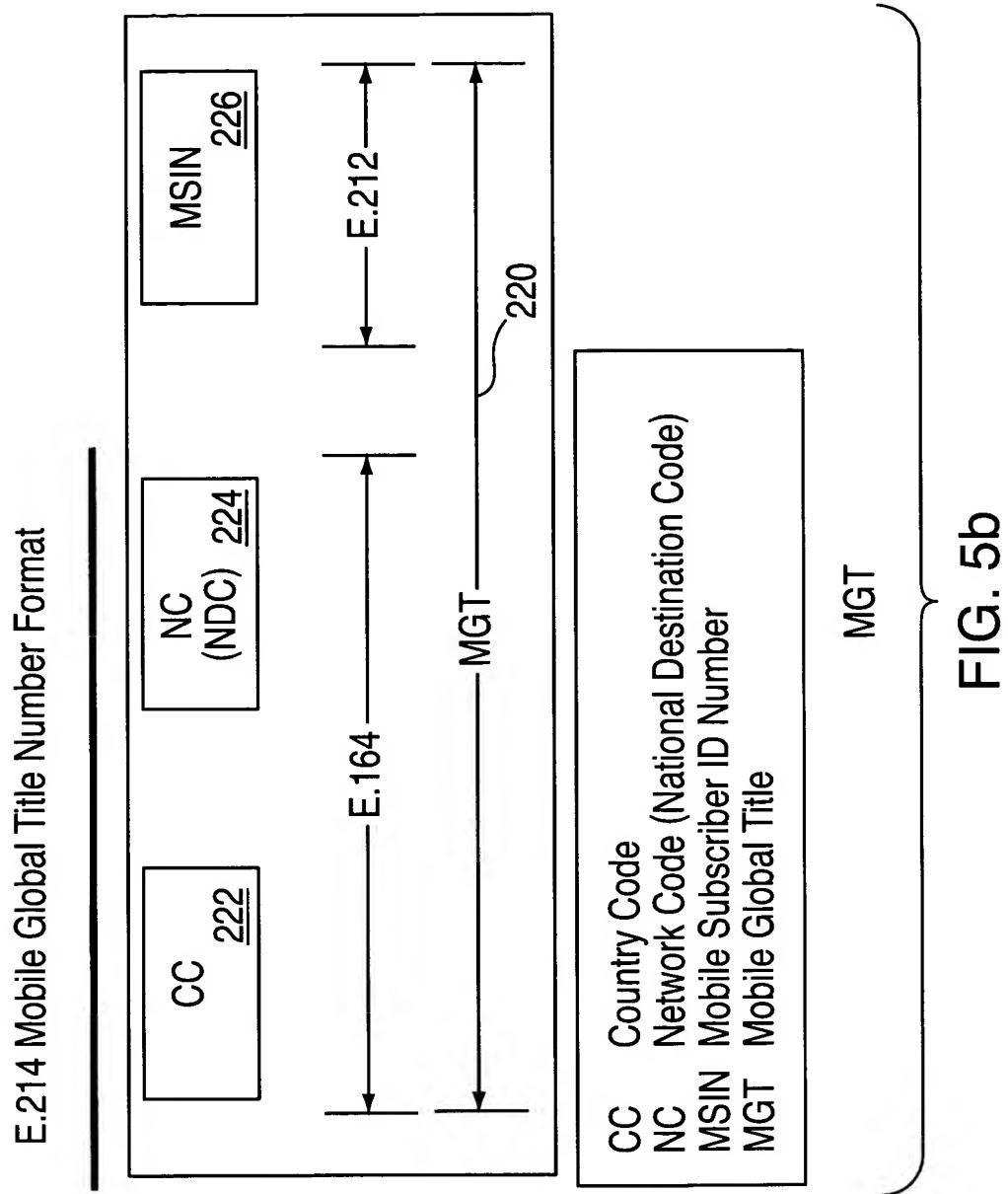
IRSC Preferred Network Configuration
FIG. 3



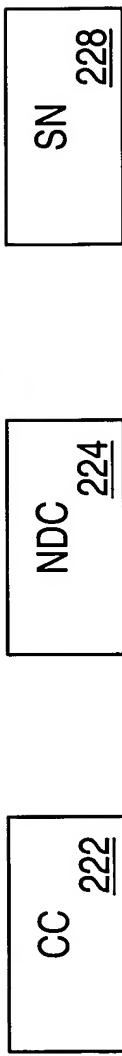
Virtual Point Code Concept
FIG. 4a







E.164 Number Format



CC	Country Code
NDC	National Destination Code (can be Area Code)
SN	Subscriber Number

ISDN Numbering Plan

FIG. 5c

FIG. 6
Converter Database

Ref	Incoming number Plan Format	screening digits (key)	Outgoing number	Outgoing digits, replace incoming plan	Odd/Even Indicator	Outgoing routing type	NOA outgoing called party	NOA outgoing calling party	Primary DPC	Secondary DPC	name of carrier
1	E214	191790	E212	310160		GTT	Natl	Natl	211-255-255	211-255-250	GSM 1
2	E164	44385	E164	44385	0	GTT	Intl	Intl	2-69-1	2-70-1	GSM 2
	E212	216555	E214	33461			X	X	2-255-2		Example

Global Title Translation and Point Code Generation

FIG. 7

Translation Type	0	0
Numbering Plan	0111 (E.214)	0001 (E.164)
Encoding Scheme	BCD Odd/Even	BCD Odd/Even
Nature Of Address Indicator	International	International
Address Information	GT Address Value	GT Address Value

ITU Global Title Type Encoding
FIG. 8

Translation Type	9 (E.212)	10 (E.164)
Address Information	GT Address Value (BCD) **	GT Address Value (BCD)

**Note that there is no Odd/Even indicator

ANSI Global Title Encoding
FIG. 9

Originating Network	Terminating Network	Screen Result	Primary Point Code	Secondary Point Code

Screening Table
FIG. 10

